

# Variables and expressions

## Grade 5 Pre-Algebra Worksheet

Write an expression to answer each question. State what the variable is. The first one is done for you as an example.

	<u>Expression</u>	<u>Variable</u>
<i>John scored 3 more points than James. How many points did John score?</i>	$p + 3$	$p =$ number of points James scored
1. Angel had \$45 in her pocket. She bought a dress for \$d. How much does she has left?	_____	_____
2. Jess is 3 years younger than Mary. How old is Mary?	_____	_____
3. Sarah earns \$6 each from selling tumblers. How much would be her earnings after selling t tumblers?	_____	_____
4. Jay had b toy cars. He donated 23 of his toy cars to an orphanage. How many toy cars were left?	_____	_____
5. Alexander cut the j meter-long water pipe into 5 equal pieces. How long is each piece of the water pipe?	_____	_____
6. Dennis works for \$8 per hour at a town's bakeshop. How much money will he earn after x hours?	_____	_____
7. Jenny works 15 minutes less than Wendy. How many minutes does Jenny work?	_____	_____
8. If Eric is 12 years old now, how old was he y years ago?	_____	_____
9. Mr. Bob paid \$12 to buy n tickets. How much is each ticket?	_____	_____
10. Chloe drives 65 kilometers per hour. How far will she be if she drives for t hours?	_____	_____

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	<u>Expression</u>	<u>Variable</u>
<i>John scored 3 more points than James. How many points did John score?</i>	$p + 3$	$p$ = number of points James scored
1. Angel had \$45 in her pocket. She bought a dress for \$d. How much does she has left?	$\$45 - d$	$d$ = cost of the dress
2. Jess is 3 years younger than Mary. How old is Mary?	$j + 3$	$j$ = age of Jess
3. Sarah earns \$6 each from selling tumblers. How much would be her earnings after selling t tumblers?	$\$6t$	$t$ = number of tumblers sold
4. Jay had b toy cars. He donated 23 of his toy cars to an orphanage. How many toy cars were left?	$b - 23$	$b$ = number of Jay's toy cars
5. Alexander cut the j meter-long water pipe into 5 equal pieces. How long is each piece of the water pipe?	$\frac{j}{5}$	$j$ = length of the water pipe
6. Dennis works for \$8 per hour at a town's bakeshop. How much money will he earn after x hours?	$\$8x$	$x$ = number of hours worked
7. Jenny works 15 minutes less than Wendy. How many minutes does Jenny work?	$w - 15$	$w$ = number of minutes Wendy worked
8. If Eric is 12 years old now, how old was he y years ago?	$12 - y$	$y$ = number of years
9. Mr. Bob paid \$12 to buy n tickets. How much is each ticket?	$\frac{\$12}{n}$	$n$ = number of tickets
10. Chloe drives 65 kilometers per hour. How far will she be if she drives for t hours?	$65t$	$t$ = number of hours